

Synthesis and Properties of Tetra-4-{[(1,1'-biphenyl)-4-yl]oxy}phthalocyanines and Their Sulfonic Acid Derivatives

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Abstract

© 2018, Pleiades Publishing, Ltd. The template condensation of 4-{[(1,1'-biphenyl)-4-yl]oxy}phthalonitrile with cobalt, copper, and magnesium acetate resulted in the synthesis of metal phthalocyanines. Sulfochlorination of the latter followed by hydrolysis gave the corresponding sulfonic acid derivatives. The spectral characteristics and chemical properties of the synthesized compounds were studied.

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Keywords

metal phthalocyanines, sulfonic acids, template synthesis, thermooxidative degradation

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